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C L A I M S

1. A method of treating and diagnosing Alzheimer's disease and related dementias which comprises administering to a patient suffering from such a disease a therapeutically effective amount of galanthamine or a pharmaceutically-acceptable acid addition salt thereof.
2. A method according to claim 1, wherein the administration is parenteral at a daily dosage of 5-1,000 mg of galanthamine or a pharmaceutically-acceptable acid addition salt thereof.
3. A method according to claim 2, wherein said dosage rate is 50-300 mg per day.
4. A method according to claim 1, wherein said administration is oral and is in the range 10-2000 mg per day.
5. A method according to claim 4, wherein said dosage rate of 100-600 mg per day.
6. A method according to claim 1, wherein galanthamine is administered at a dosage rate of 0.1 to 4 mg/kg body weight of a patient, parenterally.
7. A method according to claim 1, wherein galanthamine is administered intracerebroventricularly via an implanted reservoir at a dosage rate of 0.01 to 5.0 mg/kg day.